



#2 OIPE

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/066,895

DATE: 02/16/2002

TIME: 14:21:14

Input Set : N:\Crf3\RULE60\10066895.txt

Output Set: N:\CRF3\02152002\J066895.raw

SEQUENCE LISTING

C--> 3 (1) GENERAL INFORMATION:

5 (i) APPLICANT: Deen, Keith C.
6 Dillon, Susan B.
7 Porter, Terence C.
8 Sweet, Raymond A.

C--> 10 (ii) TITLE OF INVENTION: Human Monoclonal Antibodies

12 (iii) NUMBER OF SEQUENCES: 30

14 (iv) CORRESPONDENCE ADDRESS:

15 (A) ADDRESSEE: SmithKline Beecham Corporation
16 (B) STREET: 709 Swedeland Road
17 (C) CITY: King of Prussia
18 (D) STATE: PA
19 (E) COUNTRY: U.S.A.
20 (F) ZIP: 19046

22 (v) COMPUTER READABLE FORM:

23 (A) MEDIUM TYPE: Diskette
24 (B) COMPUTER: IBM Compatible
25 (C) OPERATING SYSTEM: DOS
26 (D) SOFTWARE: FastSEQ for Windows Version 2.0

28 (vi) CURRENT APPLICATION DATA:

C--> 29 (A) APPLICATION NUMBER: US/10/066,895

C--> 30 (B) FILING DATE: 04-Feb-2002

36 (C) CLASSIFICATION:

38 (vii) PRIOR APPLICATION DATA:

34 (A) APPLICATION NUMBER: 09/297,344
35 (B) FILING DATE: 1999-JUN-09
39 (A) APPLICATION NUMBER: 60/030,149
40 (B) FILING DATE: 01-NOV-1997

44 (viii) ATTORNEY/AGENT INFORMATION:

45 (A) NAME: Geiger, Kathleen
46 (B) REGISTRATION NUMBER: 35,880
47 (C) REFERENCE/DOCKET NUMBER: P50504

49 (ix) TELECOMMUNICATION INFORMATION:

50 (A) TELEPHONE: 610-270-5968
51 (B) TELEFAX: 610-270-5090
52 (C) TELEX:

55 (2) INFORMATION FOR SEQ ID NO: 1:

57 (i) SEQUENCE CHARACTERISTICS:

58 (A) LENGTH: 17 amino acids
59 (B) TYPE: amino acid
60 (C) STRANDEDNESS: single
61 (D) TOPOLOGY: linear

ENTERED

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```

63      (ii) MOLECULE TYPE: protein
65      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 1:
67  Ser Ile Thr Gly Gly Ser Asn Gly Ile Asn Tyr Ala Asp Ser Val Lys
68      1             5             10             15
69  Arg
72 (2) INFORMATION FOR SEQ ID NO: 2:
74      (i) SEQUENCE CHARACTERISTICS:
75          (A) LENGTH: 17 amino acids
76          (B) TYPE: amino acid
77          (C) STRANDEDNESS: single
78          (D) TOPOLOGY: linear
80      (ii) MOLECULE TYPE: protein
82      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 2:
84  Ser Ile Thr Gly Gly Ser Asn Gly Ile Asn Tyr Ser Asp Ser Val Lys
85      1             5             10             15
86  Arg
89 (2) INFORMATION FOR SEQ ID NO: 3:
91      (i) SEQUENCE CHARACTERISTICS:
92          (A) LENGTH: 17 amino acids
93          (B) TYPE: amino acid
94          (C) STRANDEDNESS: single
95          (D) TOPOLOGY: linear
97      (ii) MOLECULE TYPE: protein
99      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3:
101 Ser Ile Thr Gly Gly Ser Asn Gly Ile Gln Tyr Ser Asp Ser Val Lys
102      1             5             10             15
103 Arg
106 (2) INFORMATION FOR SEQ ID NO: 4:
108      (i) SEQUENCE CHARACTERISTICS:
109          (A) LENGTH: 98 amino acids
110          (B) TYPE: amino acid
111          (C) STRANDEDNESS: single
112          (D) TOPOLOGY: linear
114      (ii) MOLECULE TYPE: protein
116      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4:
118  Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
119      1             5             10             15
120  Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr
121          20             25             30
122  Glu Met Asn Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
123          35             40             45
124  Ser Tyr Ile Ser Ser Ser Gly Ser Thr Ile Tyr Tyr Ala Asp Ser Val
125          50             55             60
126  Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Leu Tyr
127          65             70             75             80
128  Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
129          85             90             95
130  Ala Arg
133 (2) INFORMATION FOR SEQ ID NO: 5:

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RAW SEQUENCE LISTING

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Input Set : N:\Crif3\RULE60\10066895.txt

Output Set: N:\CRF3\02152002\J066895.raw

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135      (i) SEQUENCE CHARACTERISTICS:
136          (A) LENGTH: 139 amino acids
137          (B) TYPE: amino acid
138          (C) STRANDEDNESS: single
139          (D) TOPOLOGY: linear
141      (ii) MOLECULE TYPE: protein
143      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 5:
145 Met Gly Trp Ser Cys Ile Ile Leu Phe Leu Val Ala Thr Ala Thr Gly
146   1           5           10           15
147 Val His Ser Glu Val Gln Leu Leu Glu Val Glu Ser Gly Gly Gly Leu
148           20           25           30
149 Arg Pro Gly Gly Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Thr Thr
150           35           40           45
151 Leu Ser Gly Tyr Thr Met His Trp Val Arg Gln Ala Pro Gly Lys Gly
152           50           55           60
153 Leu Glu Trp Val Ser Ser Ile Thr Gly Gly Ser Asn Phe Ile Asn Tyr
154           65           70           75           80
155 Ser Asp Ser Val Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys
156           85           90           95
157 Asn Ser Leu Tyr Leu Gln Met Asn Ser Leu Thr Ala Glu Asp Thr Ala
158           100          105          110
159 Val Tyr Tyr Cys Ala Thr Ala Pro Ile Ala Pro Pro Tyr Phe Asp His
160           115          120          125
161 Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser
162           130          135
164 (2) INFORMATION FOR SEQ ID NO: 6:
166      (i) SEQUENCE CHARACTERISTICS:
167          (A) LENGTH: 138 amino acids
168          (B) TYPE: amino acid
169          (C) STRANDEDNESS: single
170          (D) TOPOLOGY: linear
172      (ii) MOLECULE TYPE: protein
174      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 6:
176 Met Glu Phe Gly Leu Ser Trp Val Phe Leu Val Ala Leu Leu Arg Gly
177   1           5           10           15
178 Val Gln Cys Gln Val Gln Leu Val Val Glu Ser Gly Gly Gly Leu Arg
179           20           25           30
180 Pro Gly Gly Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Thr Thr Leu
181           35           40           45
182 Ser Gly Tyr Thr Met His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu
183           50           55           60
184 Glu Trp Val Ser Ser Ile Thr Gly Gly Ser Asn Phe Ile Asn Tyr Ser
185           65           70           75           80
186 Asp Ser Val Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn
187           85           90           95
188 Ser Leu Tyr Leu Gln Met Asn Ser Leu Thr Ala Glu Asp Thr Ala Val
189           100          105          110
190 Tyr Tyr Cys Ala Thr Ala Pro Ile Ala Pro Pro Tyr Phe Asp His Trp
191           115          120          125

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192 Gly Gln Gly Thr Leu Val Thr Val Ser Ser
193      130      135
195 (2) INFORMATION FOR SEQ ID NO: 7:
197     (i) SEQUENCE CHARACTERISTICS:
198         (A) LENGTH: 138 amino acids
199         (B) TYPE: amino acid
200         (C) STRANDEDNESS: single
201         (D) TOPOLOGY: linear
203     (ii) MOLECULE TYPE: protein
205     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 7:
207 Met Glu Phe Gly Leu Ser Trp Val Phe Leu Val Ala Leu Leu Arg Gly
208   1      5      10      15
209 Val Gln Cys Gln Val Gln Leu Val Val Glu Ser Gly Gly Gly Leu Arg
210      20      25      30
211 Pro Gly Gly Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Thr Thr Leu
212      35      40      45
213 Ser Gly Tyr Thr Met His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu
214      50      55      60
215 Glu Trp Val Ser Ser Ile Thr Gly Gly Ser Asn Phe Ile Asn Tyr Ala
216      65      70      75      80
217 Asp Ser Val Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn
218      85      90      95
219 Ser Leu Tyr Leu Gln Met Asn Ser Leu Thr Ala Glu Asp Thr Ala Val
220      100     105     110
221 Tyr Tyr Cys Ala Thr Ala Pro Ile Ala Pro Pro Tyr Phe Asp His Trp
222      115     120     125
223 Gly Gln Gly Thr Leu Val Thr Val Ser Ser
224      130     135
226 (2) INFORMATION FOR SEQ ID NO: 8:
228     (i) SEQUENCE CHARACTERISTICS:
229         (A) LENGTH: 138 amino acids
230         (B) TYPE: amino acid
231         (C) STRANDEDNESS: single
232         (D) TOPOLOGY: linear
234     (ii) MOLECULE TYPE: protein
236     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 8:
238 Met Glu Phe Gly Leu Ser Trp Val Phe Leu Val Ala Leu Leu Arg Gly
239   1      5      10      15
240 Val Gln Cys Gln Val Gln Leu Val Val Glu Ser Gly Gly Gly Leu Arg
241      20      25      30
242 Pro Gly Gly Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Thr Thr Leu
243      35      40      45
244 Ser Gly Tyr Thr Met His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu
245      50      55      60
246 Glu Trp Val Ser Ser Ile Thr Gly Gly Ser Asn Phe Ile Gln Tyr Ser
247      65      70      75      80
248 Asp Ser Val Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn
249      85      90      95
250 Ser Leu Tyr Leu Gln Met Asn Ser Leu Thr Ala Glu Asp Thr Ala Val

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Input Set : N:\Crf3\RULE60\10066895.txt

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```

251          100          105          110
252 Tyr Tyr Cys Ala Thr Ala Pro Ile Ala Pro Pro Tyr Phe Asp His Trp
253          115          120          125
254 Gly Gln Gly Thr Leu Val Thr Val Ser Ser
255          130          135
257 (2) INFORMATION FOR SEQ ID NO: 9:
259   (i) SEQUENCE CHARACTERISTICS:
260       (A) LENGTH: 88 amino acids
261       (B) TYPE: amino acid
262       (C) STRANDEDNESS: single
263       (D) TOPOLOGY: linear
265   (ii) MOLECULE TYPE: protein
267   (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 9:
269 Asp Ile Gln Met Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly
270  1          5          10          15
271 Asp Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Ser Ile Ser Ser Tyr
272          20          25          30
273 Leu Asn Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile
274          35          40          45
275 Tyr Ala Ala Ser Ser Leu Gln Ser Gly Val Pro Ser Arg Phe Ser Gly
276          50          55          60
277 Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro
278          65          70          75          80
279 Glu Asp Phe Ala Thr Tyr Tyr Cys
280          85
282 (2) INFORMATION FOR SEQ ID NO: 10:
284   (i) SEQUENCE CHARACTERISTICS:
285       (A) LENGTH: 124 amino acids
286       (B) TYPE: amino acid
287       (C) STRANDEDNESS: single
288       (D) TOPOLOGY: linear
290   (ii) MOLECULE TYPE: protein
292   (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 10:
294 Met Gly Trp Ser Cys Ile Ile Leu Phe Leu Val Ala Thr Ala Thr Gly
295  1          5          10          15
296 Val His Ser Glu Leu Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val
297          20          25          30
298 Gly Asp Arg Val Thr Ile Thr Cys Arg Ala Thr Gln Ser Val Ser Asn
299          35          40          45
300 Phe Leu Asn Trp Tyr Gln Gln Lys Pro Gly Glu Ala Pro Thr Leu Leu
301          50          55          60
302 Ile Tyr Asp Ala Ser Thr Ser Gln Ser Gly Val Pro Ser Arg Phe Ser
303          65          70          75          80
304 Gly Ser Gly Ser Gly Met Asp Phe Ser Leu Thr Ile Ser Ser Leu Gln
305          85          90          95
306 Pro Glu Asp Leu Ala Met Tyr Tyr Cys Gln Ala Ser Ile Asn Thr Pro
307          100          105          110
308 Leu Phe Gly Gly Gly Thr Arg Ile Asp Met Arg Arg
309          115          120

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VERIFICATION SUMMARY

PATENT APPLICATION: US/10/066,895

DATE: 02/16/2002

TIME: 14:21:15

Input Set : N:\Crf3\RULE60\10066895.txt

Output Set: N:\CRF3\02152002\J066895.raw

L:3 M:220 C: Keyword misspelled or invalid format, [(1) GENERAL INFORMATION:]
L:10 M:220 C: Keyword misspelled or invalid format, [(ii) TITLE OF INVENTION:]
L:29 M:220 C: Keyword misspelled or invalid format, [(A) APPLICATION NUMBER:]
L:30 M:220 C: Keyword misspelled or invalid format, [(B) FILING DATE:]